

CLAIMS

1 - Intersomatic implant intended for insertion in the intervertebral space defined between two neighboring lumbar vertebrae in view of anatomic restoration of the intervertebral space, the implant comes in the form of a cavity comprising of two sagittal walls (2, 3) connected by an anterior cross wall (5) and a posterior cross wall (4), the walls define an open volume (7) for bone fill and present edges (10) extending on one side to define a first cross side (8) and on the other side, to define a second cross side (9), characterised in that the edges (10₅) of the anterior wall (5) of both cross sides present inclined profiles converging in the direction of the outer side (5a) of the anterior wall so that this anterior wall forms a projection to aid in the penetration of the intervertebral space.

2 - Intersomatic implant according to claim 1, characterised in that anterior wall (5) is laterally off-center with respect to posterior wall (4).

3 - Intersomatic implant according to claim 2, characterised in that the width (L) of anterior wall (5) is greater than that of posterior wall (4).

4 - Intersomatic implant according to claims 1 to 3, characterised in that edges (10₄) of posterior wall (4) of both cross sides present inclined profiles converging in the direction of the outer side (4a) of the posterior wall so as to form support edges for the circular process of the vertebrae.

5 - Intersomatic implant according to claim 1 or 2, characterised in that anterior wall (5) is connected to sagittal walls (2, 3) by connection fillets (6) so that

the aforementioned anterior wall has a perceptibly circular cross section.

6 - Intersomatic implant according to claim 1 or 4, characterised in that posterior wall (4) and anterior wall (5) each present a tapered profile in sagittal plane (S).

7 - Intersomatic implant according to claims 1 to 6, characterised in that sagittal walls (2, 3) present a bi-convex profile.

10 8 - Intersomatic implant according to claims 1 to 7, characterised in that edges (10_2 , 10_3) of sagittal walls (2, 3) are equipped with notches (18).

15 9 - Intersomatic implant according to claim 8, characterised in that the notches (18) have a tapered profile in the direction of outer sides (2a, 3a) of sagittal walls (2, 3).